

L 05078-67

ACC NR: AP6013316

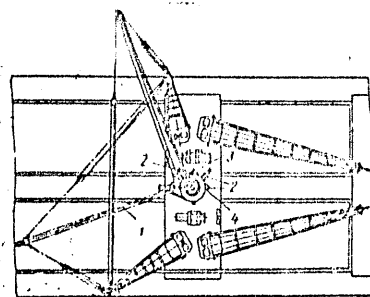


Fig. 1. 1 - crane arm; 2 - brackets;
3 - intermediate pivot; 4 - pivot

Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 15Apr61

Card 2/2 fy

L 05078-67

ACC NR: AP6013316

(N)

SOURCE CODE: UR/0413/66/000/008/0136/0136

AUTHORS: Golen', S. I.; Litvin, V. P.; Lutskiy, V. I.; Makarevich, Ya. N.; Shne, F.B.

ORG: none

TITLE: A cargo-handling mast. Class 65, No. 180969

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 136

TOPIC TAGS: ship component, cargo handling equipment

ABSTRACT: This Author Certificate presents a cargo-handling mast on maritime ships. The mast is equipped with a crane arm, a rotating head mounted on the top of the mast, and a device for shifting the crane arm from one working position to the other diametrically located working position. The design permits the crane arm to be shifted without altering its rigging. The device is made in the form of two rotating brackets with yokes and with an intermediate pivot (see Fig. 1). The yokes are fastened to the lower part of the mast.

Card 1/2

UDC: 629.12.014.21

MAKAREVICH, Ya.A.; ISHCHENKO, I.P.; UPONOVA, TS. I.; PINKHASOV, Z.I.

Bacteriological and immunological data on the significance of
autoimmune mechanisms in dysentery and ulcerative colitis.
Zhur. mikrobiol., epid. i immun. 43 no. 1:33-37 Ja '66
(MIRA 1961)

1. Tadzhikskiy institut krayevoy meditsiny AMN SSSR. Submitted
January 1965.

MAKAREVICH, Ya.A.

Some prospects for the further development of the diagnosis of
ulcerative colitis and the evaluation of the lesions of the
liver associated with them. Akt. vop. pat. pech. no.2:225-239
'63. (MIRA 18:8)

MYSLYAYEVA, A.V., kand. med. nauk; ZAKHVATKINA, I.A.; SVERDLOV, S.L.;
 ANDREYEV, I.D., dotsent; GENADINNIK, I.S., kand. med. nauk;
 KUZNETSOV, A.A., NIKOLAYEVA, G.V., prof.; SILAKOVA, V.V., dotsent;
 SHAMLYAN, N.P.; FRIDMAN, M.N., dotsent; GORBYLEV, M.N.; SIGAL,
 Ye.S., zasluzhennyy vrach RSFSR; KHOLOPOVA, L.N.; GABOV, A.A.;
 LILEYEV, V.A.; MAKAREVICH, Ya.A., kand. med. nauk; SHELEPIN, A.S.;
 SHMELEV, M.M.; PEVZNER, G.I.; SILAYEV, Yu.S.

Abstracts. Sovet. med. 27 no.6:140-145 Jo'63 (MIRA 17:2)

1. Iz kafedry propedevtiki ~~vnutrennikh~~ bolezney i putologicheskoy anatomii Kazakhskogo meditsinskogo instituta (for Myslyayeva, Zakhvatkina). 2. Iz Novozybkovskoy mezhrayonnoy bol'nitsy Bryanskoy oblasti (for. Sverdlov). 3. Iz kafedry normal'noy anatomii II Moskovskogo meditsinskogo instituta (for Andreyev).
4. Iz kafedry obshchey khirurgii i kafedry rentgenologii Chelyabinskogo meditsinskogo instituta (for Genadinnik, Kuznetsov). 5. Iz kafedry propedevticheskoy terapii Ivanovskogo meditsinskogo instituta (for Nikolayeva, Silakova). 6. Iz Lovozerskoy rayonnoy bol'nitsy Murmanskoy oblasti (for Shamlyan).
7. Iz kafedry hospital'noy terapii Bashkirskogo meditsinskogo instituta i terapevticheskogo otdeleniya 8-oy bol'nitsy (for

(Continued on next card)

MAKAREVICH, Ya. A.; ANDREYEVA, O. I.

Case of acute erythromyelosis (Di Guglielmo's syndrome). Zdrav.
Tadzh. 9 no.2:35-36 Mr-Apr '62. (MIRA 15:7)

1. Iz kliniki I gospi'tal'noy terapii (zav. - prof. Kh. Kh.
Mansurov) Dushanbinskogo meditsinskogo instituta imeni Abuali
ibni Sino i klinicheskoy laboratorii Dushanbinskoy gorodskoy
bol'nitsy No. 1 (glavnyy vrach - Kh. V. Vakhidov).

(HEMOPOIETIC SYSTEM--DISEASES)

MAKAREVICH, Ya.A.

Research Institute of Gastroenterology and Hepatology

Clinicobiochemical parallels with data on intravital biopsy
of the liver in chronic ulcerative and nondysplastic colitis.
Trudy Inst. krach. med. AN Tadzh. SSR no.1:261-270 1962.

(MINA 17:5)

MAKAREVICH, Ya.A., kand.med.nauk

Some problems in treating chronic ulcerative colitis. Sov. med. 25
no.11:131-133 N '61. (MIRA 15:5)

1. Iz kafedry 1-y gospi'tal'noy terapii (zav. - doktor meditsinskikh
nauk Kh.Kh.Mansurov) Stalinabad'skogo meditsinskogo instituta (dir. -
dotsent Z.P.Khodzhayev).
(COLITIS)

MAKAREVICH, Ya. A., kand. med. nauk

Clinical evaluation of protein displacements in the blood and exudates in tuberculous exudative pleurisy. Terap. arkh. no.7:79-84 '61.
(MIRA 15:2)

1. Iz gosspital'noy terapevticheskoy kliniki (zav. - doktor meditsinskikh nauk Kh. Kh. Mansurov) Stalinabadskogo meditsinskogo instituta.

(TUBERCULOSIS) (BLOOD PROTEINS) (PLEURISY)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031400007-6

MANSUROV, Kh.Kh.; KUTCHAK, S.N.; STAVISKIY, Ya.D.; MAKAREVICH, Ya.A.;
AMINDZHANOV, S.A.

Diagnostic significance of intravital liver biopsy. Zdrav. Tadzh.
7 no.5:8-13 '60. (MIRA 13:12)
(LIVER) (BIOPSY)

MANSUROV, Kh.Kh., doktor meditsinskikh nauk; MAKAREVICH, Ya.A., kand.
meditsinskikh nauk

Lipoproteids, the coefficient of esterification, and the protein
composition of blood serum in chronic colitis. Zdrav. Tadzh. 7
no. 2:38-42 Mr-Apr '60. (MIRA 13:10)

1. Iz kafedry gosptal'noy terapii (zav. - doktor meditsinskikh
nauk Kh.Kh. Mansurov) Stalinabadskogo medinstituta im. Abuali
ibni Sino.

(LIPOPROTEINS) (ESTERIFICATION) (BLOOD PROTEINS)
(COLITIS)

MAKAREVICH, Ye. A.: Master Med Sci (Med) -- "The clinical significance of electrophoretic investigation of the protein composition of the blood, exudates, and transudates of the pleural and abdominal cavities". Stalinabad, 1955. 19 pp (Stalinabad State Med Inst Im Abusli Ibn-Sino)(Avitsenna)), 200 copies (KL, No 13, 1959, 10)

L 44219-66

ACC NR: AP6017997

moving part, paired knife-edges are mounted beneath the moving part on top of the stationary part. [KP]

SUB CODE: 13/ SUBM DATE: 19Feb65/

L 44218-66

ACC NR: AP6017997 (A) SOURCE CODE: UR/0413/66/000/010/0106/0106

INVENTOR: Kovalev, V. A.; Pobozhiy, A. M.; Bolvakin, Yu. P.; Makarevich, V. Ya.; Rummyantsev, A. V.

ORG: none

TITLE: Flexible suspension bracket. Class 47, No. 181907. [announced by the Special Design Office for Mining Equipment (Spetsial' noye konstruktorskoye byuro gornoobogatitel' nogo oborudovaniya)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 10, 1966, 106

TOPIC TAGS: ~~bracket~~, suspension bracket, ~~flexible bracket~~ *hand tool*

ABSTRACT: An Author Certificate has been issued for a flexible suspension bracket consisting of a stationary and a moving part, with a shock absorber between them, and a clamp bolt. To facilitate simultaneous vertical and angular movements of the

UDC: 62-219.52-752

Card 1/2

MAKARICHEV, V.V., kand. tekhn. nauk; MILEYKOVSKAYA, K.M., kand.
tekhn. nauk; TEMKIN, L.Ye., inzh., nauchn. red.; ZUBKOVA,
M.S., red.izd-va; MIKHEYEVA, A.A., tekhn. red.

[Study of reinforced elements of cellular concrete] Issledo-
vanie armirovannykh konstruksii iz iacheistykh betonov. Mo-
skva, Gosstroizdat, 1963. 98 p. (MIRA 17:1)

MAKAREVICH, V.V.

Using offset printing for manufacturing scales and other parts of instruments. Avtom.1 prib. no.1:63-66 Ja-Mr '63. (MIRA 16:3)

1. Kiyevskiy zavod tochnykh elektropriborov.
(Instrument manufacture) (Offset printing)

MONFRED, Yu.B., kand. tekhn. nauk, red.; RUBANENKO, B.R., glav.
red.; ROZANOV, N.P., zam. glav. red.; ONUFRIYEV, I.A.,
red.; YUDIN, Ye.Ya., red.; NASONOV, V.N., red.; ISIDOROV,
V.V., red.; MAKARICHEV, V.V., red.; POLUBNEVA, V.I., inzh.
red.

[Improving the technology of building large-panel apartment
houses] Sovershenstvovanie tekhnologii krupnopanel'nogo domo-
stroeniia. Moskva, TSentr. biuro tekhn. informatsii in-ta
organizatsii, mekhanizatsii i tekhn. pomoshchi stroit., 1962.
51 p. (MIRA 16:8)

(Apartment houses)

LOPATIN, A.I. (Ussuriysk); MAKAREVICH, V.T. (Ussuriysk)

Late results of treatment of chronic nongonorrheal prostatitis
with paraprostatic novocaine-antibiotic block. Urologiya
no.6:38-41 '64; (MIA 18:11)

LITVINOV, I.R.; MAKAREVICH, V.S.; SMIRNOV, B.A., inzh., retsenzent;
ZUBLEVSKIY, S.M., inzh., red.; VOROB'YEVA, L.V., tekhn.red.

[Organization of the technical inspection of d.c. locomotives;
experience of the Western Siberia Railroad] Organizatsiia
tekhnicheskogo osmotra elektrovovozov postoiannogo toka; opyt
Zapadno-Sibirskoi dorogi. Moskva, Transzheldorizdat, 1963.
95 p. (MIRA 16:12)

(Electric locomotives)

MAKAREVICH, Vitaliy Sergeyevich; VEPRIK, Gennadiy Nikolayevich;
GERASIMOV, Vasilii Petrovich; SIMONOV, Veniamin Georgiyevich;
GORODETSKOV, A.P., inzh., retsenzent; LYUTTSAU, A.G., inzh.,
retsenzent; ZUBLEVSKIY, S.M., inzh., red.; USENKO, L.A., tekhn.
red.

[Detection and elimination of faults in VL22²² electric locomotives]
Obnaruzhenie i ustranenie neispravnostei na elektrovozhakh VL22^M.
Moskva, Transzheldorizdat, 1962. 127 p. (MIRA 15:11)
(Electric locomotives--Maintenance and repair)

MAKAREVICH, V.S., inzh.; PAVLOVICH, Ye.S., inzh.

Results of DPE-400 electric traction engine operation. Elek. 1
tepl. tiaga 2 no.3:9-10 Mr '58. (MIRA 11:4)
(Electric locomotives)

BUDYKA, Sergey Khristoforovich; TIKHONOV, Adam Fomich; Prinimali
uchastiye: KOVALEV, N.F.; MAKAREVICH, V.S.; TIMOFEYEV, L.,
red.izd-va; VOLOKHANOVICH, I., tekhn. red.

[Manual on the timber industry] Lesopromyshlennyi spravochnik.
Minsk, Izd-vo Akad. nauk BSSR, 1962. 711 p. (MIRA 15:11)
(Lumbering)

USSR/Forestry - Biology and Typology of the Forest.

K-2

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10⁵63

within 0.1 meters of the surface or reached the surface (after flooding), alder also grew more slowly. The spruce of the II and III age classes growing on the higher parts of the area, showed an insignificant decline in diameter growth when flooded. In low areas growth increment declined sharply. In the first and second years after flooding young oaks showed more rapid vertical growth, but those situated right at water level gave poorer growth increment. No variations in the course of growth were noticeable in trees situated in places where the water level was lower than 0.7 meter.

Card 2/2

MAKAREVICH, V. S.

.. USSR/Forestry - Biology and Typology of the Forest.

K-2

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10563

Author : Budyka, S.Kh., Kupreychik, A.F., Makarevich, V.S.

Inst : -

Title : The Effect of Flooding on Forest Growth.

Orig Pub : Sb. nauchn. rabot po lesn. kh-vu. In-t lesa Akad Nauk
BelSSR, 1956, No 7, 178-202.

Abstract : As a result of construction of dams on the Berezina and Zel'vyya Rivers in Belorussia various forests and forest areas adjoining the reservoirs were flooded. Test areas were set up in the flooded zone. It was determined that pines in the III age class grew more slowly when the ground water level was raised above four meters: [sic], birches in the same stage of development proved more resistant to flooding. Alders of the II and III age classes improved their diameter growth when the ground water level was raised to 0.15-0.80 meters, but when it increased to

Card 1/2

MAKAREVICH, V.I.

Interrelation between the Pripyet Fault and the *Amispa-Jordan*
Lowland. Dokl. Ak. BSSR 7 no.11:764-767 1963. (USSR 1973)

1. Geofizicheskaya ekspeditsiya Belarusskoy geologii. Predstavleno
akademikom AN BSSR K.I. Lukashchukom.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031400007-6

MAKAREVICH, V.N.; SKOKOV, K.D.

Some results of geothermal studies in deep wells of the Tiber Valley. Razved. i prom. geofiz. no.48:97-102 '63 (MIRA 1964)

Some results of geothermal studies in deep wells of the Tiber Valley. Razved. i prom. geofiz. no.48:97-102 '63 (MIRA 1964)

MAKAREVICH, V.N.

Effect of the grass stands of alfalfa (*Medicago sativa* L.), hairless
brome grass (*Bromus inermis* Leyss.) and tall oat grass (*Arrhenatherum*
elatus (L.) J. et C. Presl) on the microclimate of the cenosis.
Bot. zhur. 50 no.1:127-132 Ja '65. (MIRA 18:3)

1. Botanicheskiy institut imeni Komarova AN SSSR, Leningrad.

MAKAREVICH, V.N.

Raunkiaer's method for studying meadow communities. Bot. zhur. 49
no.1:93-99 Ja '64. (MIRA 17:2)

1. Botanicheskiy institut imeni V.V.Komarova AN SSSR, Leningrad.

MAKAREVICH, V.N.

Dynamics of intraspecific relations in *Brassica napus* L. in
stands of different density. Trudy Bot. inst. Ser. 3 no.14:
186-197 '63. (MIRA 16:9)
(Otradnoye region (Leningrad Province)--Rape (Plant))
(Plants, Space arrangement of)

MAKAREVICH, V.N.

Interrelationship between red clover (*Trifolium pratense* L.) and
timothy grass (*Phleum pratense* L.) in pure and mixed stands. Trudy
Bot. inst. Ser. 3 no.14:104-117 '63. (MIRA 16:9)
(Otradnoye region (Leningrad Province--Red clover)
(Otradnoye region (Leningrad Province--Timothy grass)

MAKAREVICH, V.N.

Effect of different methods of meadow management on its grass stand.
Trudy Bot. inst. Ser. 3 no.14:39-103 '63. (MIRA 16:9)
(Otradnoye region (Leningrad Province)---Pastures and meadows)

SHENNIKOV, A.P. [deceased]; MAKAREVICH, V.N.

A brief study of the native flora and vegetation in the area of the
Otradnoye Experimental Station. Trudy Bot. inst. Ser. 3 no.14:
33-38 '63. (MIRA 16:9)
(Otradnoye region (Leningrad Province)--Botany)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031400007-6

MAKAREVICH, V.N.; FREYNKMAN, M.G. [Freinkman, M.H.]

History of the geological development of the Yel'sk-Norovlya
region in the Pripet graben. Vestsi AN BSSR. Ser. fiz.-tekh.
nav. no.3:105-110 '62. (MIRA 18:3)

SHENNIKOV, A.P.; MAKAREVICH, V.N.

Biology and ecology of *Alopecurus ventricosus* Pers. Bot. zhur. 45
no.9:1326-1330 S '60. (MIRA 13:9)

1. Leningradskiy gosudarstvennyy universitet.universitet im. A.A. Zhdanova.
(Rybinsk Reservoir region--Foxtail)

SHENNIKOV, A.P.; MAKAREVICH, V.N.

Materials on the biology and ecology of *Beckmannia eruciformis* (L.)
Host. Vest.LGU 15 no.21:59-69 '60. (MIRA 14:4)
(Slough grass)

MAKAREVICH, V.N.

Studying intra- and intervarietal relationships of barleys in
relation to different seeding methods. Trudy Bot. inst. Ser.
3 no. 12:181-195-'60. (MIRA 14:1)
(Barley—Varieties) (Plants, Space arrangement of)

MAKAREVICH, V.N.

Individual variability in *Medicago sativa* L., *Arrhenatherum
elatius* (L.) M.et K., and *Bromus inermis* Leyss. during their
first weeks of life. Bot.zhur. 44 no.11:1599-1605 N '59.
(MIRA 13:4)

1. Botanicheskiy institut im. V.L.Komarova Akademii nauk SSSR,
Leningrad.

(Grasses) (Growth(Plants))

MAKAREVICH, V.N.

Study of terrestrial plants in the zone marked by raised ground
water level and periodical inundation by Rybinsk Reservoir. Bot.
zhur. 41 no. 11: 1647-1652 N '56. (MLRA 10:1)

1. Botanicheskiy institut imeni V.L. Komarova Akademii nauk SSSR,
Leningrad.

(Rybinsk Reservoir region--Botany) (Soil moisture)

MAKAREVICH, V. N.

"Growth and Development of Perennial Fodder Grasses as Related to Various Planting Methods." Min. Culture USSR, Botany Inst imeni V. L. Komarov of the Acad. Sci. USSR, Leningrad, 1955. (Dissertation for the Degree of Candidate of Biological Sciences)

SO: Knizhnaya Letopis", No. 22, 1955, pp 93-105

MAKAREVICH, V.M.; GAR, K.A.; POSLAVSKIY, Yu.M.; KALUZHINA, T.N.

Effect of chloroorganic insecticides on the processes of
tissue respiration in the imagoes and larvae of houseflies and
in the caterpillars of the lackey moth. Dokl. AN SSSR 152
no.2:475-477 S '63. (MIRA 16:11)

1. Nauchnyy institut po udobreniyam i insektofungisidam im.
Ya. V. Samoylova. Predstavleno akademikom A.I. Oparinym.

*

30(1)

30V/25-59-7-51/53

AUTHOR: Makarevich, V.M., Candidate of Agricultural Sciences

TITLE: A Valuable Synthetic Product

PERIODICAL: Nauka i zhizn', 1959, Nr 7, pp 78-79 (USSR)

ABSTRACT: The article deals with urea - its importance as a fertilizer in agriculture, what biochemical processes it causes when introduced into the soil, and its per-hectare dosage for various crops. In conclusion, the article states that the 7-year Plan calls for a 300%-odd increase in the production of mineral fertilizers.

Card 1/1

MAKAREVICH, V. M.

"Influence of Feeding Conditions on the Formation of Amino Acids and the Amino Acid Composition of Plant Proteins." Min Chemical Industry USSR, Sci Inst of Fertilizers and Insectofungicides imeni Professor Ya. V. Samoylov, Moscow, 1955
(Dissertation for the Degree of Candidate of Agricultural Sciences)

SG: Knizhnaya Letopis', No. 32, 6 Aug 55

LAZENIKOVA, T.M.; MAKAREVICH, V.G.

Biological synthesis of tetracycline and its derivatives. Antibiotiki
10 no.5:390-396 My '65. (MIRA 12:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov,
Moskva.

LAZNIKOVA, T.N.; MAKAREVICH, V.G.

Separation of tetracyclins by the paper chromatography method.
Antibiotiki 9 no.7:579-583 J1 '64.

(MIRA 18:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov,
Moskva.

AZNIKOVA, T.N.; MAKAREVICH, V.G.

Veterinarians produced by *Leptospira interrogans* cultures.
Antib. 1961 9 no.5:454-455 My '64. (MIRA 18.2)

MAKAREVICH, V. G.; LAZNIKOVA, T. N.

"Investigation of tetracycline and its derivatives in the course of cultivation of actinomyces aureofaciens."

report submitted for Antibiotics Cong, Prague, 15-19 Jun 64.

All-Union Res Inst of Antibiotics, Moscow.

LAZNIKOVA, T.N.; MAKAREVICH, V.G.

Formation of isochlortetracycline and isotetracycline in the
process of biosynthesis. Dokl. AN SSSR 153 no.6:1432-1434
D '63. (MIRA 17:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov. Predstavleno akademikom V.N. Shaposhnikovym.

MAKAREVICH, V.G.; LAZNIKOVA, T.N.

Biosynthesis of tetracyclines and their derivatives. Antibiotiki
8 no.6:557-563 Je'63 (MIRA 17:3)

LAZNIKOVA, T.N.; MAKAREVICH, V.G.

Study of the conditions of tetracycline formation in the process
of shlorotetracycline synthesis. Antibiotiki 8 no.7:572-233 11'63
(MIRA 17:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.

MAKAREVICH, V.G.; LAZNIKOVA, T.N.

Some data on a comparative study of chlortetracycline-producing strains of Actinomyces aureofaciens LSB - 2201 and LSB-16. Antibiotiki 8 no.3:195-201 Mr'63 (MIRA 17:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.

MAKAREVICH, V.G.; LAZNIKOVA, T.N.

Effect of the seed material and inorganic phosphorus
on the fermentation of chlortetracycline on peanut and
sunflower media. Antibiotiki 6 no.11:994-998 N '61.
(MIRA 15:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.

(AUREOMYCIN)
(PHOSPHORUS---PHYSIOLOGICAL EFFECT)
(BACTERIOLOGY---CULTURES AND CULTURE MEDIA)

MAKAREVICH, V.G.; LAZNIKOVA, T.N.

Culture media containing different oil cake as organic nitrogen sources in fermenting chlortetracycline. Antibiotiki 6 no.4:308-311 Ap '61. (MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(AUREOMYCIN) (OILS AND FATS)

77527
SOV/80-33-1-36/49

There are 9 figures; 1 table; and 73 references, 12 Soviet, 3 German, 6 U.S., 2 U.K. The 5 most recent U.S. and U.K. references are: R. H. Rosenwald, Ind. Eng. Ch., 42, 162 (1950); G. S. Hammond, J. Am. Chem. Soc., 77, 3238 (1955); C. E. Booser, et al., J. Am. Chem. Soc., 77, 3233 (1955); C. J. Pedersen Ind. Eng. Ch., 48, 1881 (1956); L. F. Fieser, A. E. Oxford, J. Am. Chem. Soc., 64, 2060 (1942).

SUBMITTED: May 25, 1959

Card 12/~~12~~
3

The Liquid-Phase Oxidation of Cyclohexene
With Molecular Oxygen in the Presence of
Inhibitors. Communication XXIV

77527
SOV/80-33-1-36/49

p-phenylenediamine. The total antioxidizing effect depends not only on the individual activity of inhibitor, but also on its concentration. Most of the above inhibitors are capable of reacting with hydroperoxide of cyclohexene. The inhibiting action of compounds having phenolic character is connected with the presence of a mobile hydrogen atom of the hydroxyl group. In aromatic amines, not only the hydrogen atoms of the amino group take part in the process, but also, possibly, the unshared electron pair of nitrogen. The results of oxidation are given below in the following figures: (in all figures A = yield of the mentioned products (in %); B = time (in hr); 1 = without inhibitor).

Card 2/~~12~~
3

5.3400

77527
SOV/80-33-1-36/49

AUTHORS: Rafikov, S. R., Suvorov, B. V., Makarevich, V. G.

TITLE: The Liquid-Phase Oxidation of Cyclohexene With Molecular Oxygen in the Presence of Inhibitors. Communication XXIV

PERIODICAL: Zhurnal prikladnoy khimii, 1960, Vol 33, Nr 1, pp 201-209 (USSR)

ABSTRACT: Auto-oxidation of cyclohexene in the presence of phenol, hydroquinone, p-benzoquinone, quinhydrone, dimethyl ether of hydroquinone, p-, and o-aminophenols, p-phenylenediamine, aniline, diphenylamine, and dimethylaniline was investigated. It was established that all the above compounds except dimethyl ether of hydroquinone are inhibitors of the reaction. Antioxidizing properties of the investigated compounds depend on their composition and on the structure. The degree of activity is as follows: phenol < hydroquinone < aminophenol < phenylenediamine > aniline. Dimethylaniline and diphenylamine occupy a place between aniline and

Card 1/12

3

LAZNIKOVA, T.N.; MAKAREVICH, V.G.; TROFIKOVA, T.G.

Colorimetric determination of chlortetracycline in a turbid culture liquid. Lab. delo 6 no.4:23-24 Ji-Ag '60. (MIRA 13:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov, Moskva.

(AUREOMYCIN) (COLORIMETRY)

ORLOVA, N.V.; POPOVA, L.A.; MAKAREVICH, V.G.; VERKHOVTSEVA, T.P.

Physiological features of the fungi which produce tetracyclines.
Trudy Inst. mikrobiol. no. 6:251-264 '59. (MIRA 13:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(ACTINOMYCES)

MAKAREVICH, V.G.; VERKHOTSEVA, T.P.; LAZNIKOVA, T.N.

Some features of vitamin B₁₂ biosynthesis in cultures of Propionibacterium shermani and Actinomyces olivaceus [with summary in English].
Mikrobiologiya 27 no.1:19-26 Ja-F '58. (MIRA 11:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov,
Moskva.

(ACTINOMYCES, metab.

vitamin B₁₂ synthesis by Actinomyces olivaceus (Rus)

(PROPIONIBACTERIUM, metab.

vitamin B₁₂ synthesis by Propionibacterium shermani (Rus)

(VITAMIN B₁₂, metab.

Propionibacterium shermani & Actinomyces olivaceus
synthesis (Rus)

MAKAREVICH, V.G.; SUVOROV, B.V.; RAFIKOV, S.R.

Oxidation of organic compounds. Liquid phase oxidation of α -pinene by
molecular oxygen in the presence of inhibitors. Part 18. Izv. AN Ka-
zakh. SSR. Ser.khim. no.1:79-83 '58. (MIRA 12:2)
(Pinene) (Oxidation)

MAKAREVICH, V.G.; LAZNIKOVA, T.N.

Biosynthesis of B12 vitamins in Propionibacterium cultures [with
summary in English]. Vop.med.khim. 3 no.2:91-101 Mr-Apr '57.
(MLRA 10:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotiki,
Moskva.

(PROPIONIBACTERIUM, metab.

vitamin B12 biosynthesis in P. shermanii cultures (Rus))

(VITAMIN B12, metab.

Propionibacterium shermanii, biosynthesis in cultures
(Rus))

Makarevich, V. G.

Genl Biol Sci

Dissertation: "Influence of Cultivation Conditions on the Formation of
Propionic and Acetic Acids by Propionic-Acetic Bacteria."

27 May 49

Moscow Order of Lenin State N. I. P. Lomonosov.

SO Vecheryaya Moskva
Sum 71

MAKAREVICH, V.F.

Selecting parameters of a network of boreholes in removal work.
Trudy Alt. GMNII AN Kazakh. SSR 15:74-81 '63. (MIRA 17:3)

LOSITSKIY, V.V.; MAKAREVICH, V.F.

Relationship between the size of the pieces of broken rock and
the productivity of an excavator in an open-pit mine. Trudy Akad.
Gornii AN Kazakh. SSR 13:121-126 '62. (MIRA 16:3)
(Excavating machinery)

MAKAREVICH, V.F.

Results of studies of boring and blasting operations in the
Zyryanovsk open-pit mine. Trudy Alt. GMI AN Kazakh. SSR 13:
96-108 '62. (MIRA 16:3)
(Zyryanovsk District--Blasting) (Zyryanovsk District--Boring)

MAKAREVICH, V.E.; DUMANOV, I.I.

Belogorskiy open-pit mine. Trudy Alt. GNMII AN Kazakh. SSR 13:
17-26 '62. (MIRA 16:3)
(Belogorskiy region (East Kazakhstan Province)--Strip mining)

RYBERT, V.F.; MAKAREVICH, V.F.

Zyryanovsk open-pit mine. Trudy Alt. GNMII AN Kazakh. SSR 13:
5-12 '62. (MIRA 16:3)
(Zyryanovsk District--Strip mining)

LOSITSKIY, V.V.; MAKAREVICH, V.F.

Photoplanimetric method of determining the completeness of rock
crushing in open pits. Trudy Alt. GMI AN Kazakh. SSR 10:
120-139 '61. (MIRA 14:9)
(Photography--Scientific applications) (Rocks--Analysis)
(Blasting)

KONDRATYUK, I.E.M. [Kondratiuk, I.E.M.], otv. red.; ZOSIMOVICH, V.P.,
[Sasymovych, V.P.], red.; MAKAREVICH, V.A. [Makarevych, V.A.],
red.; POPOV, V.P., red.; RUBTSOV, L.I., red.; SOKOLOVSKIY,
O.I. [Sokolovs'kyi, O.I.], red.; IL'KUN, G.M. [Il'kun, H.M.],
red.; KOKHNO, M.A., ANDRIICHUK, M.D., red. izd-va; TURBANOVA, N.A.,
tekh. red.

[Biological problems of acclimatized plants] Pytannia biolo-
gii aklimatyzovanykh roslyn. Kyiv, Vyd-vo AN Ukr.BSR, 1963.
(MIRA 16:11)
90 p.

1. Akademiya nauk URSR. Kiev. Botanychnyi sad. 2. Chlen-
korrespondent AN Ukr.SSR (for Zosimovich).
(Ukraine--Plant introduction)

KONDRATYUK, Ye.M. [Kondratiuk, I.E.M.], otv. red.; ZOSIMOVICH, V.P. [Zosymovych, V.P.], red.; MAKARENICH, V.A. [Makarevych, V.A.], red.; POPOV, V.P., red.; RUBISOV, L.I., red.; SOKOLOVSKIY, O.I. [Sokolovs'kyi, O.I.], red.; IL'KUN, G.M. [Il'kun, H.M.], red.; KOKHNO, M.A., red.; ANDRIYCHUK, M.D. [Andriichuk, M.D.], red. izd-va; TURBANOVA, N.A., tekhn. red.

[Biological problems of acclimatized plants] Pytannia biologii aklimatyzovanykh roslin. Kyiv, 1963. 90 p. (MIRA 16:7)

1. Chlen-korrespondent AN Ukr.SSR (for Zosimovich).
(Ukraine--Plant introduction)

MAKAREVICH, V.A. [Makarevych, V.A.]

Photoperiodical adaptation of perennial plants. Trudy Bot. sada
AN URSR 7:3-11 '60. (MIRA 14:4)
(Photoperiodism) (Acclimatization (Plants))

MAKAREVICH, V.A. [Makarevych, V.A.]

Importance of the photoperiodic response in the acclimatization
of southern annuals. Trudy Bot.sada AN URSR 6:3-16 '59.

(MIRA 13:5)

(Annuals(Plants)) (Acclimatization(Plants))
(Photoperiodism)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031400007-6

MAKAREVICH, T.N.; YEFIMOVA, Z.A.

Characteristics of fall-winter ice conditions on the Danube River.
Trudy GGI no.80:126-171 '62. (MIRA 16:12)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031400007-6

MAKAREVICH, T.N.; ANYSKINA, N.A.

Characteristics of the formation of fall-winter ice and forecasting
of the appearance of ice on rivers of the Baltic Sea region. Trudy
GGI no.80:3-65 '62. (MIRA 16:12)

DOMANITSKIY, A.P.; KUZIN, P.S.; MAKAREVICH, T.N.

Aleksandr Mikhailovich Norvatov; obituary. Meteor. i gidrol. no.4:
58 Ap '63. (MIRA 16:5)
(Norvatov, Aleksandr Mikhailovich, 1905-1962)

Method of Hydrological Forecasting in the
Northwest Territory of the USSR

S/050/60/000/012/004/005
B012/B054

and Vychegda. The author mentions: a method by L. A. Vitel's for determining atmospheric circulation; the Severnoye UGMS (North UGMS), Latviyskoye UGMS (Latvian UGMS), Litovskoye UGMS (Lithuanian UGMS), Severo-Zapadnoye UGMS (Northwest UGMS), Petrozavodskaya GMO (Petrozavodsk GMO); papers by V. A. Stepanova, V. V. Lebedeva, Yu. A. Slizh, and N. F. Semochkina; the power plants: Kegumskaya GES (Kegums GES), Plyavinskaya GES (Plyavinyas GES), Kaunasskaya GES (Kaunas GES), Narvskaya GES (Narva GES), Volkhovskaya GES (Volkhov GES), Svirskiye GES (Svir' GES, several plants), Ondskaya GES (Onda GES), Iovskaya GES [Abstracter's note: nominative case not established], Nivskiy kaskad (Niva Cascade), Vygskiy kaskad (Vyg Cascade), Kovdinskiy kaskad [Abstracter's note: only "Kovdozero" was established], Vuoksinskiy kaskad (Vuoksa Cascade). ✓

Method of Hydrological Forecasting in the
Northwest Territory of the USSR

S/050/60/000/012/004/005
B012/B054

(especially in forests), should be rationalized. In some areas, an index is used for moistening in fall which is based either on autumn rainfalls only or on the water amounts of rivers; an integral characteristic is used in other areas. This characteristic first obtained by Ye. S. Zmiyeva (TsIP) and precisely defined later by V. V. Salazanov (UCMS RSSR) simultaneously considers moistening in fall and freezing of soils. Rainfalls and intensity of snow melting in spring are not considered in actual methods. Snow reserves are inaccurately estimated. In forecasting the discharge in summer and fall, methods suggested by V. I. Sapozhnikov and R. A. Nezhikhovskiy and based on G. P. Kalinin's ideas are used to consider "river bed" and lake reserves. A method suggested by M. I. Gurevich is recommended to establish the hitherto unclear dependence of discharge on meteorological factors. The synoptic-climatological method of the Glavnaya geofizicheskaya observatoriya (Main Geophysical Observatory) is used in this connection. Short-term forecasts of ice conditions are based on principles developed by V. D. Komarov and L. G. Shulyakovskiy. The usual methods of long-term forecasts of thawing and freezing of rivers are based on principles by G. R. Bregman and G. Ya. Vangengeym. Ye. I. Savchenkova uses the "meridional index" for the rivers Pechora

Card 2/3

S/050/60/000/012/004/005
B012/B054

AUTHOR: Makarevich, T. N.

TITLE: Method of Hydrological Forecasting in the Northwest
Territory of the USSR

PERIODICAL: Meteorologiya i gidrologiya, 1960, No. 12, pp. 28 - 31

TEXT: The Northwest territory includes the following areas: Leningradskaya oblast', Novgorodskaya oblast', Pskovskaya oblast', Murmanskaya oblast', Kareliya, Pribaltika, Arkhangel'skaya oblast', and Belorussia. In the next few years, the Gosudarstvennyy gidrologicheskiy institut (GGI) (State Hydrological Institute) and the Severno-Zapadnoye UGMS (Northwest Hydrometeorological Service Administration) will have the following tasks in the field of hydrological forecasts: further development and improvement of methods of forecasting the elements of spring floods, the discharge in summer and fall, the thawing and freezing of rivers, ice jams, and ice packing. A survey of these methods is given. Too many different procedures are used in forecasting spring floods. Observations of ground humidity and freezing of the soil, as well as the snow cover

Card 1/3

MAKAREVICH, T.N.

Some characteristics of the ice regime in rivers of the
European continent. Trudy GGI no.75:3-13 '60.
(MIRA 13:6)

(Europe--Ice on rivers, lakes, etc.)

MAKAREVICH, T.N.

Method for hyarological forecasts in the northwestern part of the
U.S.S.R. Meteor. i gidrol. no.12:28-31 D '60. (MIRA 13:11)
(Russia, Northwestern--Hydrology)

Sponsoring Agency: Otkrytoye upravleniye gosudarstvennoy bezopasnosti
SSSR
Address: Moscow, USSR

Resp. Ed.: V.A. Uryvayev; Ed.: V.S. Protopopov; Tech. Ed.: N.N. Bravina.

PURPOSE: This work is intended for astecrologists, hydrologists, and hydrophysicists, particularly those engaged in the study of snow transformation processes.

COVERAGE: This book contains papers on hydrophysics which were presented and discussed at the Third All-Union Hydrological Conference held in Leningrad, October 1957. The Conference published 10 volumes in various languages. This volume is the third in the series. The papers are arranged in the order of the subjects treated. The subjects are: 1. The snow cover and its hydrological significance; 2. The snow cover and its hydrological significance; 3. The snow cover and its hydrological significance; 4. The snow cover and its hydrological significance; 5. The snow cover and its hydrological significance; 6. The snow cover and its hydrological significance; 7. The snow cover and its hydrological significance; 8. The snow cover and its hydrological significance; 9. The snow cover and its hydrological significance; 10. The snow cover and its hydrological significance.

Kolentsov, A.G. [Professor, Doctor of Physical and Mathematical Sciences and A.A. Pivovarov [Candidate of Physical and Mathematical Sciences] Computing the Rate of Autumnal Cooling Along a River 270

Braslavskiy, A. P. [Candidate of Technical Sciences, OGI Leningrad] 278
counting the ice perimeter of the Northern Kazakhstan Lakes

Panov, BP-- [Docent, Candidate of Geographical Sciences, LOMI Leningrad] Long-Range Changes in the Ice Break-up and Freeze-up Times of Rivers and Lakes and the Question of Extra Long-range Forecasting 287

Ginzburg, B.M. [Candidate of Technical Sciences, TsIP Moscow]
Fundamentals of the Method of Long-range Forecasting of Ice
Break-up on Rivers

Makarevich, T.N. [Candidate of Geographical Sciences, OOI Lenin-grad] Unstable Ice Regimens on Rivers and Methods for Forecast-
ins 302

Savchenkova, Ye. I. [Candidate of Geographical Sciences, TsIP
Moscow] Long-range Forecasts of the Time of Ice Appearance on
Siberian and Far Eastern Rivers

Pronin, A.G. [Candidate of Geographical Sciences, LGU Leningrad]
 "Atlantic Ocean Effect on the Types of Ice Cover and the Time of
 Ice Break-up for the Northwestern RSPSR Rivers 313

Petrovich, V.V. [Candidate of Technical Sciences], and N.P. Vinogradova [Candidate of Geographical Sciences] Basic Means for Developing a Method of Long-Range Forecast of Freeze-up and Ice Clearance Times in Reservoir Projects

Konovalov, I.M. [Professor, Doctor of Technical Sciences] V.V. Balanin [Docent, Candidate of Technical Sciences], and M.I. Shcherbakova [Engineer. LITV] Basic Problems in the Development

of Ice Engineering 326
Myasnikov, M.V. [Chief Engineer, Omsk] An Attempt to Use Solar Radiation for the Needs of Water Transportation 327

Groman, D.E. [Engineer, Teploelektoproyekt, Moscow] Regulating
the River Discharge by Ice Reservoirs 341

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031400007-6

MAKAREVICH, T.N.; MYTAREV, N.M.

Spring breakup of ice in rivers of the northwestern part of the
U.S.R.R. and method of its prediction. Trudy GGI no.67:3-47
'58. (MIRA 12:5)
(Russia, Northwestern--Ice on rivers, lakes, etc)

The Experience of Creative Cooperation in the Field of SOV/50-52-6-14/24
Hydrological Forecasts

Northwestern (Severozapadnyy) and the Murmansk HGMS (Upravleniye gidro-meteorologicheskoy sluzhby = Administration of the Hydrometeorological Service) as well as of the Petrozavodsk Hydrometeorological Observatory (gidrometeorologicheskaya observatoriya). A plan for the combined work was made. SOI worked out the method of the background-forecast (fonovyy prognos) of the occurrence of ice and a local method of forecast for the freezing up. V.A. Stepanova developed successfully the method of the forecasting of the freezing up of Lake Onega (Oнежskoye ozero), of the river Vytegra (Vytegra), and of the channels. While the forecasts with respect to the seasons were worked out communications of the cooperating scientists and hydrologists were read as well as the assumptions made by the synoptists. Thus the first were able to come to learn the weak points of the method and to take steps in order to improve them. Examples are given. The analysis of the forecasts which were not correct is to be carried out. The cooperation is continued and proved to be quite a success.

1. Meteorology--USSR
2. Hydrology--Applications
3. Weather forecasting
4. Climatic factors

AUTHORS: Makarevich, T. N., Medres, P. L., SOV/50-58-6-14/24
Lebedeva, V. V.

TITLE: The Experience of Creative Cooperation in the Field of Hydro-
 logical Forecasts (Opyt tvorcheskogo sodruzhestva v oblasti
 sostavleniya gidrologicheskikh prognozov)

PERIODICAL: Meteorologiya i gidrologiya, 1958, Nr 6, pp. 44 - 45 (USSR)

ABSTRACT: The experience made by the researchmen who took part in the work-
 ing out of one or the other method of prognosis is very important
 in the practical use of these methods. A cooperation of the
 scientists and the assistants working in the field is especially
 important in the case of an instable hydrological regime, above
 all in the northwest of the USSR. The unsettled character of the
 weather conditions is to be noticed to considerably great extent
 in spring and autumn. The ice phenomena of single water objects
 do not develop simultaneously. In consequence of this the fore-
 casts for the freezing up for the region of Leningrad and the
 neighboring regions have been inadequate in the course of the last
 ten years. Therefore it was decided to combine the efforts of the
 scientists of the State Hydrological Institute (Gosudarstvennyy
 gidrologicheskii institut = GGI) and of the hydrologists of the

Card 1/2

MAKAROVICH, T.N.; MYTAREV, N.M.

Possibility of long range quantitative prognoses of ice formation
on rivers of the northwestern part of the European territory of
the U.S.S.R. Meteor. i gidrol. no.9:20-24 S '57. (MLRA 10:9)
(Russia, Northern--Ice on rivers, lakes, etc)

Planned
MAKAREVICH, T.N., kandidat geograficheskikh nauk; SPENGLER, O.A., kandidat geograficheskikh nauk, redaktor; SHATILINA, M.K., redaktor; FLAUM, M.Ya., redaktor

[Methodology of long-term forecasts of the freezing rivers in northwestern U.S.S.R.] Metodika dolgosrochnogo prognoza zamerzaniya rek Severo-zapada SSSR. Leningrad, Gidrometeor. izd-vo, 1956. 74 p. (Leningrad, Gosudarstvennyi gidrologicheskii institut. Trudy no.58 (112)) (MIRA 10:7)
(Ice on rivers, lakes, etc.)

MAKAREVICH, S.M.; SHORIN, N.A.

Electronic digital computers. Priborostroenie no.10:24-26 O '60.
(MIRA 13:11)

(Electronic digital computers)

L 07221-67

ACC NR: AP6027314

beam vertically downward. The receiver is moved vertically and horizontally to measure illumination in planes perpendicular to the light source axis. Background radiation diffused by the water was studied with a light source and a brightness meter which turned at a polar angle of $0 + 180^\circ$ and at an azimuthal angle of from 0 to 75° . Patterns of change of brightness with depth were photoelectrically measured with a special underwater light source, direct photography of which, with subsequent microphotometry, gave the same result. Orig. art. has: 3 formulas, 2 tables, and 4 figures.

SUB CODE: 20/ BUEN DATE: 23Oct65/ ORIG REF: 007/ OTH REF: 004

Card 2/2

L 07221-67 EWI(1) GW
ACC NR: AP6027314

SOURCE CODE: UR/0428/66/000/002/0109/0114

AUTHOR: Hanich, P. Ya.; Yelistrataw, I. F.; Ilych, H. K.; Levin, I. M.;
Lamanosava, T. M.; Makarevich, S. A.

39
B

ORG: none

TITLE: Optical characteristics and light field parameters of lake water

SOURCE: AN BSSR. Vesti. Seryya fizika-matematichnykh nauk, no. 2, 1966, 109-114

TOPIC TAGS: optic property, water, light diffusion, light refraction

ABSTRACT: This work examines methods and certain results of defining the optical parameters of lake water and also studies the light-field in that medium created by direct and diffuse radiation sources. To measure total light attenuation by water the authors used a transparency meter which is described in the text. Light attenuation is given for 13 wavelengths on 5 separate days. Maximum transparency is shifted towards longer wavelengths in comparison to seawater. To evaluate visibility of objects under water both the total index of attenuation by the water and the relations between indexes of actual attenuation and dispersion must be known. A formula is derived and tabular data given which show that change in lake water transparency occurs in such a way that the absorption-to-dispersion ratio remains the same. Washing-out of a collimated beam of light is studied by having an underwater light source send a

Card 1/2

L 5085-66

ACC NR: AP5025972

ASSOCIATION: Physics Institute, AN BSSR (Institut fiziki AN BSSR)

SUBMITTED: 22Oct64

ENCL: 00

SUB CODE: OP, AA

NO REF SOV: 008

OTHER: 002

Card

2/2/62

5085-66 EWT(1) GW
ACC NR: AP5025972

UR/0250/65/009/008/0504/0508

AUTHOR: Ivanov, A. P.; Makarevich, S. A.

TITLE: The influence of optical characteristics on the spectral composition of radiation in turbid media

SOURCE: AN BSSR. Doklady, v. 9, no. 8, 1965, 504-508

TOPIC TAGS: solar radiation, solar radiation absorption, spectral absorptivity, photon, photon scattering, optic analysis, luminescence, water

ABSTRACT: It is known that the spectral composition of solar radiation penetrating aqueous media changes rapidly with depth. Using the theoretical investigations of V. A. Ambartsumyan (Izv. AN ArmSSR, No 1-2, 1944) as the starting point, the author investigates theoretically the spectral modification problem in details. Graphs and tables present 1) the spectral composition of the extinction coefficient $\epsilon = \rho + k$; of the photon survival probability $A = \int / (\rho + k)$; of ρ ; of the transmission coefficient, of the primary light transmission coefficient, and of the luminosity; and 2) the luminosity magnitude as function of depth for various values of the parameter $\int$ describing ratio of the flux scattered forward (in the 2π solid angle) to the flux scattered backwards by a unit layer. The paper concludes by a brief discussion concerning the measurability of the various parameters. Presented by Academician AN BSSR B.I. Stepanov. Orig. art. has: 5 formulas, 2 figures, and 1 table.

Card 1/2

IVANOV, A.P.; MAKAREVICH, S.A.

Effect of the width of a beam of light on the depth of its penetration
into a scattering medium. Izv. AN SSSR. Ser. geofiz. no.11:1754-1757
N '63. (MIRA 16:12)

1. Institut fiziki AN BSSR.

L 00694-67

ACC NR: AP6005354

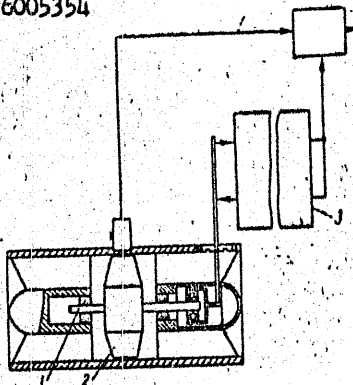


Fig. 1. 1 - impeller
axes; 2 - force converter;
3 - impeller

and to the impeller rotation speed) is used as the measure of the mass flow. Orig.
art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 22Jul64/

Card 2/2 mjs

L 00694-67 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l)

ACC NR: AP6005354

SOURCE CODE: UR/0413/66/000/001/0094/0095

AUTHORS: Suvorov, V. P.; Kozlov, L. I.; Yanbukhtin, I. R.; Makarevich, O. P. 76

ORG: none B

11/ qm
 TITLE: A device for the automatic control of mass flow. Class 42, No. 177648
 /announced by Scientific Research Institute of Thermal Power Engineering Instrument
 Manufacture (Nauchno-issledovatel'skiy institut teploenergeticheskogo
 priborostroyeniya)/

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 1, 1966, 94-95

TOPIC TAGS: flow regulator, flow measurement, flow control, fluid flow, *automatic control design*

ABSTRACT: This Author Certificate presents a device for automatic control of mass flow. The device contains a sensitive element made in the form of a single impeller rotating with a speed proportional to the volume flow, capable of being displaced along the axis by an amount proportional to the velocity head of the flow. The device also has a measuring instrument (see Fig. 1). The design increases the precision of the measurement accuracy in operation and provides the capability of measuring reversible flows. The axes of the impeller are kinematically connected with a power converter. This power converter creates a force which compensates the axial movement of the impeller. The ratio of the signals (proportional to the compensating force

Card 1/2

UDC: 681.121.531.751.3

L 32461-45

ACCESSION NR: APAC16211

An indicator device having a zero center scale is connected in the second diagonal of the bridge in series with the device creating the retarding moment. Orig. and has 1 diagram.

ASSOCIATION: none

SUBMITTED: 1947/53

REL: 01

SUB CODE: PR

NO REF SOV: 000

OTHER: 000

Orig 2/3

1. 3561-01 ENCL(1) RPR/L.C. Pa-4 21

ACCESSION NO. AF508214

8/0286/65/000/005/0078/0078

AUTHORS: Mauryan, O. P.; Yashchuk, L. R.; Potemkin, L. V.

TITLE: Thermal Flowmeter, Class 42, No. 168005

SOURCE: Soviet Patent, Issued 1 January 1965, no. 3, 1965, 78

FORM TADS: Flowmeter

ABSTRACT: This letter Certificate presents a thermal flowmeter containing a retarded impeller, a rotation angle detector, and a device creating the retarding moment. To increase the reliability, to guarantee complete hermeticity of the detector case, and to isolate the electric portion of the flowmeter from the controlled medium, the rotation angle detector and the device creating the retarding moment are electrically isolated systems relieving induction coupling with the impeller mounted in a tube (see Fig. 1 on the Enclosure). To increase reliability and to insure the possibility of operation under conditions of vibration, shock, and elevated temperatures, the impeller suspension is a torsion tube. To insure the possibility of measuring the flow of liquids moving in both forward and reverse directions, the supply source of the device creating the retarding moment is connected to the diagonal of a bridge whose two adjacent arms are a slide wire.

Dependence of the adhesion coefficient on the speed of
rolling. (Cont.) 24-5-19/25

the two contacting bodies are equal. Utilisation of the derived formulae is illustrated by the calculation of the movement of an electric locomotive along a rail, assuming that the driven wheel, of 60 cm radius, carries a load of 11 tons. The calculated maximum traction force as a function of the speed is graphed in Fig.3; the results are correct only for rolling speeds at which the relative speed at the contact area does not exceed 5 cm/sec. There are 3 figures and 4 references, 2 of which are Slavic.

Card 2/2

SUBMITTED: February 11, 1957.

AVAILABLE:

MAKAREVICH, O. P.

AUTHORS: Mossakovskiy, V. I., Makarevich, O.P. and Rudyakov, Z.Z.
(Dnepropetrovsk). 24-5-19/25

TITLE: Dependence of the adhesion coefficient on the speed of rolling.
(O zavisimosti koeffitsienta stsepleniya ot skorosti kacheniya).

PERIODICAL: "Izvestiya Akademii Nauk, Otdeleniye Tekhnicheskikh Nauk",
(Bulletin of the Ac.Sc., Technical Sciences Section),
1957, No.5, pp.126-129 (U.S.S.R.)

ABSTRACT: The problem of rolling of a wheel along an elastic semi-plane has been considered by Glagolev, N.I.(1) and Fromm (2). The assumption was derived that friction between the contacting surfaces obeys the Coulomb law and that the friction coefficient does not depend on the speed. These authors solved the problem for the case that the elastic constants of both bodies are the same. It was established that the contact surfaces can be sub-divided into two parts, namely, a coupling surface without slip and a slipping surface. In this paper an attempt is made to evaluate the influence of the speed on the change in the adhesion coefficient assuming a linear dependence of the friction coefficient on the relative speed of the points of the contacting surface and also that the elastic constants of

Card 1/2

MAKAREVICH, O. B.

"Magaloblastic Erythropoiesis,"

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